6

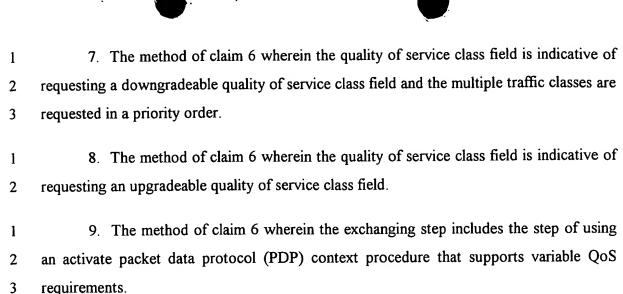
7



1	1. A method for use in a mobile station, the method comprising the steps of:
2	attaching to a wireless data network; and
3	performing variable quality of service negotiation with the wireless data network.
1	2. The method of claim 1 wherein the performing step includes the steps of:
2	transmitting to the wireless data network a quality of service information element
3	comprising a downgradeable quality of service class field that is indicative of requesting
4	multiple traffic classes in a priority order.
1	3. The method of claim 1 wherein the performing step includes the steps of:
2	transmitting to the wireless data network a quality of service information element
3	comprising an upgradeable quality of service class field that is indicative of requesting a
4	higher traffic class than an existing traffic class.
1	4. The method of claim 1 wherein the performing step includes the steps of:
2	transmitting to the wireless data network a quality of service information element
3	comprising at least one traffic class field for conveying requests for either a single traffic
4	class or multiple traffic classes in a priority order.
1	5. The method of claim 1 wherein the performing step includes the step of using
2	an activate packet data protocol (PDP) context procedure that supports downgradeable
3	QoS requirements.
1	6. A method for use in a first packet server of a wireless network, the method
2	comprising the steps of:
3	exchanging messages with a second packet server for the purpose of providing at
4	least one service to a mobile station, wherein the exchanging step includes the step of
5	transmitting to the second packet server a message comprising a quality of

indicative of requesting multiple traffic classes in the message.

service information element comprising a quality of service class field that is



- 10. A method for use in a first packet server of a wireless network, the method comprising the steps of:
- exchanging messages with a second packet server for the purpose of providing at least one service to a mobile station, wherein the exchanging step includes the step of

transmitting to the second packet server a message comprising a quality of service information element comprising at least one traffic class field for conveying requests for either a single traffic class or multiple traffic classes.

- 11. The method of claim 10 wherein the exchanging step includes the step of using an activate packet data protocol (PDP) context procedure that supports downgradeable QoS requirements.
- 12. The method of claim 10 wherein the multiple traffic classes represent a priority order.
 - 13. A packet server comprising:
 - a transceiver for exchanging messages with a second packet server for the purpose of providing at least one service to a mobile station; and
- a processor for causing to be transmitted to the second packet server a message comprising a quality of service information element comprising a quality of service class field that is indicative of requesting multiple traffic classes in the message.

1	14. A packet server comprising:
2	a transceiver for exchanging messages with a second packet server for the purpose
3	of providing at least one service to a mobile station; and
4	a processor for causing to be transmitted to the second packet server a message
5	comprising a quality of service information element comprising at least one traffic class
6	field for conveying requests for either a single traffic class or multiple traffic classes.
1	15. A transmission frame representing data embodied in a wireless transmission
2	signal, the transmission frame comprising:
3	a quality of service class field that is indicative of requesting multiple traffic classes
4	in a priority order; and
5	at least one traffic class field for conveying the priority order.